

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"US 20070198019"	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2008/05/07 09:30
S2	15	((DONALD) near2 (SCHOMER)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/07 09:30
S3	15	((MURRAY) near2 (SOLSBERG)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/07 09:30
S4	17	((BRYCE) near2 (WAY)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/07 09:31
S5	6	((DONALD) near2 (SCHOMER)).INV.	EPO; JPO; DERWENT	ADJ	ON	2008/05/07 09:31
S6	5	((MURRAY) near2 (SOLSBERG)).INV.	EPO; JPO; DERWENT	ADJ	ON	2008/05/07 09:31
S7	9	((BRYCE) near2 (WAY)).INV.	EPO; JPO; DERWENT	ADJ	ON	2008/05/07 09:31
S9	641	606/79.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/07 09:33
S11	782	600/564.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/07 09:37
S12	46	607/43.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/07 09:38
S13	116	("20030077225"   "20030165555"   "20040059370"   "20050037079"   "20050209610"   "3732858"   "3945372"   "4103690"   "4535773"   "4801293"   "4931059"   "4994072"   "5026386"   "5127916"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/07 09:55

"5172702"
"5180393"
"5190759"
"5215105"
"5300045"
"5385570"
"5439464"
"5569258"
"5645075"
"5709697"
"5718237"
"5730754"
"5772597"
"5836948"
"5853366"
"5860991"
"5868745"
"5931855"
"6010493"
"6241747"
"6261582"
"6264617"
"6273862"
"6306156"
"6358217"
"6358254"
"6425859"
"6443910"
"6454767"
"6464682"
"6470209"
"6478805"
"6488636"
"6506190"
"6514256"
"6520907"
"6530933"
"6599310"
"6626916"
"6652558"
"6669729"
"6746451"
"6818001").PN.

S14	43	("20050075630"   "20060089609"   "20060089633"   "20060089640"   "20060094976"   "20060095028"   "20060095059"   "20060100651"   "20060122458"   "20060135882"   "5354266"   "5496269"   "5514379"   "5840338"   "5857996"   "5916858"   "5964782"   "6268405"   "6423332"   "6575968"   "6605294"   "6772012"   "6858229"   "6925323"   "7070596").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/07 09:55
S15	1977	spine (tool OR instrument OR device) (cut OR cutting) (barb OR spike OR needle) (expand OR expandable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/05/07 10:08
S16	818	spine (tool OR instrument OR device) (cut OR cutting) (barb OR spike OR needle) (expand OR expandable) (inject OR injecting OR injectable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/05/07 10:09
S17	116	("20030077225"   "20030165555"   "20040059370"   "20050037079"   "20050209610"   "3732858"   "3945372"   "4103690"   "4535773"   "4801293"   "4931059"   "4994072"   "5026386"   "5127916"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/07 13:15

		"5172702" "5180393" "5190759" "5215105" "5300045" "5385570" "5439464" "5569258" "5645075" "5709697" "5718237" "5730754" "5772597" "5836948" "5853366" "5860991" "5868745" "5931855" "6010493" "6241747" "6261582" "6264617" "6273862" "6306156" "6358217" "6358254" "6425859" "6443910" "6454767" "6464682" "6470209" "6478805" "6488636" "6506190" "6514256" "6520907" "6530933" "6599310" "6626916" "6652558" "6669729" "6746451" "6818001").PN.				
S18	15	radio WITH opaque WITH non WITH ionic WITH myelographic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/07 14:19
S20	79	(inject WITH radio WITH opaque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/08 09:55

S23	39	inject WITH steroid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/08 10:07
S24	215	epidural SAME steroid SAME injection	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2008/05/08 10:09
S25	121	viscous WITH more WITH body WITH temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/08 10:23
S26	1	("6575919").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/08 10:44
S27	9839	handle AND expand\$5 AND inject\$5 AND (tissue OR spine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/05 11:35
S28	34	US-20030220650-\$. DID. OR US- 20040138701-\$.DID. OR US-20080221383-\$. DID. OR US-3628524- \$.DID. OR US- 3893445-\$.DID. OR US-3929123-\$.DID. OR US-4603694-\$. DID. OR US-4682606- \$.DID. OR US- 4844064-\$.DID. OR US-4867157-\$.DID. OR US-5040542-\$. DID. OR US-5108403- \$.DID. OR US- 5269785-\$.DID. OR US-5366477-\$.DID. OR US-5373854-\$. DID. OR US-5429138- \$.DID. OR US- 5462062-\$.DID. OR US-5531749-\$.DID. OR US-5569284-\$. DID. OR US-5595186- \$.DID. OR US- 5638827-\$.DID. OR US-5782849-\$.DID. OR US-6019765-\$. DID. OR US-6375659- \$.DID. OR US- 6419684-\$.DID. OR US-6428486-\$.DID. OR US-6572563-\$. DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/05 11:45

		DID. OR US-6645213- \$.DID. OR US- 6783534-\$.DID. OR US-7008433-\$.DID. OR US-7025771-\$. DID. OR US-7066942- \$.DID. OR US- 7201722-\$.DID. OR US-7276032-\$.DID.				
S29	73	US-1493240-\$.DID. OR US-20010005778-\$. DID. OR US- 20030009125-\$.DID. OR US-20040049217-\$. DID. OR US- 20050038432-\$.DID. OR US-20050080441-\$. DID. OR US- 20050137602-\$.DID. OR US-20050228403-\$. DID. OR US- 20060030785-\$.DID. OR US-20060036211-\$. DID. OR US- 20060036271-\$.DID. OR US-20060036272-\$. DID. OR US- 20060122535-\$.DID. OR US-20060178682-\$. DID. OR US- 20060184175-\$.DID. OR US-20060206115-\$. DID. OR US- 20060235334-\$.DID. OR US-20060235451-\$. DID. OR US- 20060235452-\$.DID. OR US-20060264994-\$. DID. OR US- 20070005084-\$.DID. OR US-20070027464-\$. DID. OR US- 20070055263-\$.DID. OR US-20070123888-\$. DID. OR US- 20070162061-\$.DID. OR US-20070225703-\$. DID. OR US- 20070276390-\$.DID. OR US-4201213-\$. DID. OR US-4708147- \$.DID. OR US- 4733663-\$.DID. OR US-4777948-\$.DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/05 11:45

OR US-4811734-\$.  
DID. OR US-4834729-  
\$.DID. OR US-  
4850354-\$.DID. OR  
US-4911600-\$.DID.  
OR US-5026375-\$.  
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OR US-5613972-\$.  
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OR US-6083237-\$.  
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OR US-6258093-\$.  
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\$.DID. OR US-  
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OR US-6296639-\$.  
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6428498-\$.DID. OR  
US-6692445-\$.DID.  
OR US-6716216-\$.  
DID. OR US-6746093-  
\$.DID. OR US-  
6852095-\$.DID. OR  
US-7137956-\$.DID.  
OR US-7189206-\$.  
DID.

S30	9598	handle AND expand\$5 AND inject\$5 AND (tissue)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/05 12:46
S31	852	expand\$5 WITH (protection OR protect \$4 OR cover\$4) WITH tissue	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/05 12:53
S32	852	expand\$5 WITH (protection OR protect \$4 OR cover\$4) WITH tissue AND (biopsy OR tissue)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/05 12:54
S33	1	("5954739").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/05 14:09
S34	54	("2854983"   "2936760"   "3039468"   "3253594"   "3774596"   "3800788"   "3882852"   "3915171"   "4077412"   "4083369"   "4177814"   "4230119"   "4312353"   "4447227"   "4501266"   "4555242"   "4589868"   "4610662"   "4651717"   "4706670"   "4779611"   "4798205"   "4800901"   "4802479"   "4861334"   "4875468"   "4899729"   "4927412"   "4932956"   "4984564"   "4994047"   "5002557"   "5042976"   "5122122"   "5163949"   "5514091").PN. OR ("5954739").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/05 14:09



S35	86	side ADJ2 (opening OR aperature) AND coaxial AND cannula AND (barbs OR spikes)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/05 14:49
S36	48	("2198319"   "3106483"   "3358684"   "3888258"   "4390519"   "4412947"   "4626286"   "4708147"   "4749689"   "4785826"   "4827940"   "4838280"   "4902290"   "4936835"   "5061281"   "5080655"   "5100429"   "5195988"   "5201764"   "5242428"   "5281212"   "5308338"   "5326350").PN. OR ("5718237").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/05 14:53
S37	1	("6306156").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/05 14:55
S38	3456	(side OR lateral) ADJ (opening OR aperture OR window) AND (cannula OR rod OR elongated OR member) AND (barbs OR needles OR projection) AND (biopsy OR tissue)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/05 14:59
S39	255	(side OR lateral) ADJ (opening OR aperture OR window) AND coaxial AND biopsy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/05 15:07

S40	80	("3320957"   "4020847"   "4627436"   "4653496"   "4669469"   "4685458"   "4745919"   "4772258"   "4850957"   "4857046"   "4979951"   "4986807"   "5074841").PN. OR ("5242460").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/05 15:13
S41	1	("5735865").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/14 15:06
S42	24	hollow WITH trocar AND (barb OR spike) AND biopsy AND (window OR hole OR opening)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/14 15:08
S43	24	(hollow WITH trocar) AND (barb OR spike) AND biopsy AND (window OR hole OR opening)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/14 15:08
S44	222	(trocar) AND (barb OR spike) AND biopsy AND (window OR hole OR opening OR aperature)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/14 15:11
S45	1	("5954739").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/14 15:22
S46	0	radio WITH opaque WITH inert WITH ionic	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/01/14 16:31
S47	0	radio WITH opaque WITH inert WITH ionic	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/01/14 16:31
S48	55	radio WITH opaque WITH inert	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/01/14 16:31
S49	41	radio WITH opaque WITH ionic	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/01/14 16:31

S50	85	inject WITH radio WITH opaque	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/01/14 16:39
S51	1	("5985320").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 10:52
S52	30	inflate WITH radio WITH opaque	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/01/15 10:53
S53	3	((("5623941") or ("5722423") or ("5084005"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 14:12
S54	686	606/79.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/15 15:43
S55	815	600/564.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/15 15:43
S56	47	607/43.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/15 15:43
S57	3	((("5954739") or ("5735865") or ("5429139"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 16:21
S58	42	(US-20030191414-\$ or US-20020022856-\$ or US-20070060941-\$ or US-20040049194-\$ or US-20050182413-\$ or US-20060149280-\$ or US-20040092946-\$ or US-20050222598-\$ or US-20040138689-\$ or US-20040127930-\$ or US-20040098016-\$). did. or (US-5709697-\$ or US-6306156-\$ or US-6746451-\$ or US- 6120437-\$ or US- 5823947-\$ or US- 4545374-\$ or US- 5800394-\$ or US- 5865802-\$ or US- 6582446-\$ or US- 7081122-\$ or US- 6899719-\$ or US- 5928239-\$ or US-	US-PGPUB; USPAT; DERWENT	ADJ	ON	2009/01/15 16:28

		6419944-\$ or US- 6428486-\$ or US- 5569284-\$ or US- 5462062-\$ or US- 5373854-\$ or US- 3929123-\$ or US- 6022362-\$ or US- 5562102-\$ or US- 5586991-\$ or US- 5954739-\$ or US- 5860997-\$ or US- 5827318-\$ or US- 5667520-\$ or US- 5514153-\$).did. or (US- 5163949-\$ or US- 5707390-\$ or US- 4077412-\$ or US- 5488958-\$ or US- 5429136-\$).did. or (US- 6306156-B-\$ or WO- 0176680-A-\$).did.				
S59	5	S58 and opaque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/01/15 16:28
S60	38	US-20040210231-\$. DID. OR US- 20050163850-\$.DID. OR US-20060224160-\$. DID. OR US- 20060235422-\$.DID. OR US-20070055215-\$. DID. OR US- 20070123890-\$.DID. OR US-20070198019-\$. DID. OR US- 20070260253-\$.DID. OR US-20090118709-\$. DID. OR US-4174715- \$.DID. OR US- 4200111-\$.DID. OR US-5281230-\$.DID. OR US-5522825-\$. DID. OR US-5538008- \$.DID. OR US- 5705485-\$.DID. OR US-5792044-\$.DID. OR US-5797939-\$. DID. OR US-5797958- \$.DID. OR US- 5827289-\$.DID. OR US-5843121-\$.DID. OR US-5871453-\$.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/29 09:54

		DID. OR US-6110127-\$.DID. OR US-6142957-\$.DID. OR US-6214010-\$.DID. OR US-6371968-\$.DID. OR US-6533795-\$.DID. OR US-6579291-\$.DID. OR US-6620185-\$.DID. OR US-6682535-\$.DID. OR US-7041050-\$.DID. OR US-7101382-\$.DID. OR US-7181289-\$.DID. OR US-7189240-\$.DID. OR US-7322978-\$.DID. OR US-7329402-\$.DID. OR US-7445634-\$.DID. OR US-2177307-\$.DID. OR WO-200182998-\$.DID. OR WO-2006015302-\$.DID. OR WO-2006044727-\$.DID. OR WO-2007085628-\$.DID. OR WO-2007113808-\$.DID. OR WO-2008042793-\$.DID. OR WO-2008070867-\$.DID. OR EP-082535964-\$.DID. OR EP-082538547-\$.DID.				
S61	1	("5954739").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/29 09:57
S62	1	("5429136").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/29 10:18
S63	1	("6602246").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/29 11:02
S64	7	S60 and steroid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/29 11:40

### EAST Search History (Interference)

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